

SUPPLEMENTARY INFORMATION

Quercetin stimulates trophoblast fusion via the mitochondrial function.

**Kanoko Yoshida, Kazuya Kusama*, Go Shinohara, Shiho Sato, Mikihiro Yoshie,
Kazuhiro Tamura**

Department of Endocrine Pharmacology, Tokyo University of Pharmacy and Life Sciences

*Correspondence:

Kazuya Kusama Ph.D. kusamak@toyaku.ac.jp

Table S1. Primers for real-time PCR analyses.

Name (Accession No.)	Sequence			Product length (bp)
<i>GAPDH</i> NM_002046.7	F: 5'- R: 5'-	AGCCACATCGCTCAGACA GCCCAATACGACCAAATCC	-3' -3'	66
<i>ERVFRD-1</i> NM_207582.2	F: 5'- R: 5'-	CCAAATTCCTCCTCTCCTC CGGGTGTAGTTTGCTTGGT	-3' -3'	115
<i>CGB</i> NM_000737.3	F: 5'- R: 5'-	CCTGGCCTTGTCTACCTCTT GGCTTTATACCTCGGGGTTG	-3' -3'	108
<i>GCM1</i> NM_003643.3	F: 5'- R: 5'-	GCAACACCAACAACCACAAC GTAAATCTTGCGGCCTTCCT	-3' -3'	100
<i>OVOL1</i> NM_004561.3	F: 5'- R: 5'-	AGACATGGGCCACTTGACAG AGGTGAACAGGTCTCCACTG	-3' -3'	104
<i>MFN1</i> NM_001278465.2	F: 5'- R: 5'-	TTGGAGCGGAGACTTAGCAT TTGGAGCGGAGACTTAGCAT	-3' -3'	71
<i>MFN2</i> NM_001127660.2	F: 5'- R: 5'-	ATTGCAGAGGCGGTTTCGACTCA ATTGCAGAGGCGGTTTCGACTCA	-3' -3'	104
<i>DNM1L</i> NM_001278465.2	F: 5'- R: 5'-	AAACTTCGGAGCTATGCGGT AGGTTTCGCCCCAAAAGTCTCA	-3' -3'	66
<i>OPA1</i> NM_130835.3	F: 5'- R: 5'-	GCTCTGCATACATCTGAAGAACA GCTCTGCATACATCTGAAGAACA	-3' -3'	52
<i>SQSTM1</i> NM_130835.3	F: 5'- R: 5'-	TGTGTAGCGTCTGCGAGGGAAA AGTGTCCGTGTTTCACCTTCCG	-3' -3'	129
<i>PINK1</i> NM_032409.3	F: 5'- R: 5'-	GTGGACCATCTGGTTCAACAGG GCAGCCAAAATCTGCGATCACC	-3' -3'	114
<i>FUNDC1</i> NM_173794.4	F: 5'- R: 5'-	AGACACCAGTGGTGGAATCGAG TCTGGAACAGAAATCCTGCACAC	-3' -3'	124
<i>BNIP3</i> NM_004052.4	F: 5'- R: 5'-	TCAGCATGAGGAACACGAGCGT GAGGTTGTCAGACGCCTTCCAA	-3' -3'	142
<i>TFAM</i> NM_003201.3	F: 5'- R: 5'-	AGCTCAGAACCCAGATGCAA CCGCCCTATAAGCATCTTGA	-3' -3'	238
<i>SIRT1</i> NM_001314049.2	F: 5'- R: 5'-	TAGACACGCTGGAACAGGTTGC CTCCTCGTACAGCTTCACAGTC	-3' -3'	117
<i>SIRT3</i> NM_001017524.3	F: 5'- R: 5'-	CCCTGGAAACTACAAGCCCAAC CCCTGGAAACTACAAGCCCAAC	-3' -3'	162
<i>SIRT6</i> NM_001321064.2	F: 5'- R: 5'-	TGGCAGTCTTCCAGTGTGGTGT CGCTCTCAAAGGTGGTGTGCGAA	-3' -3'	142

F: Forward, R: Reverse.

Figure S1. Full images of western blots shown in Figure 1.

Red dotted lines indicate the cropping locations.

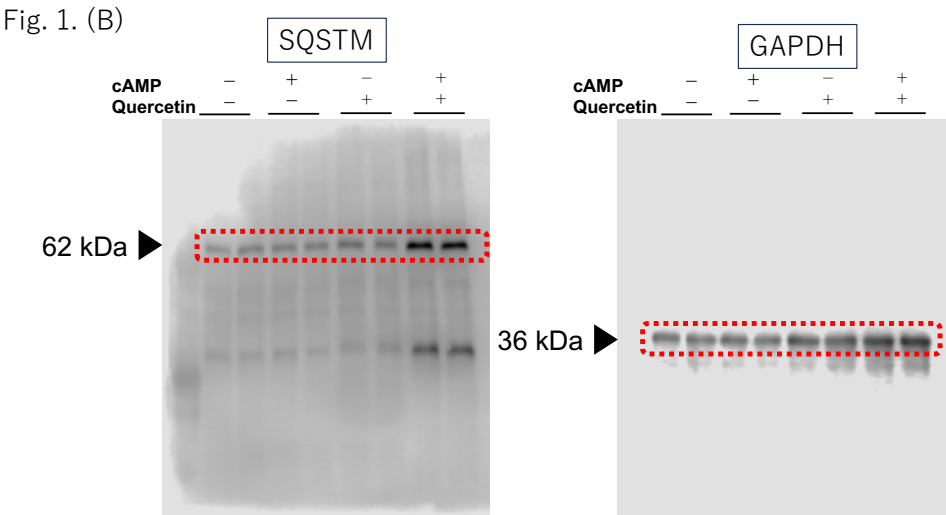


Figure S1. Full images of western blots shown in Figure 3.

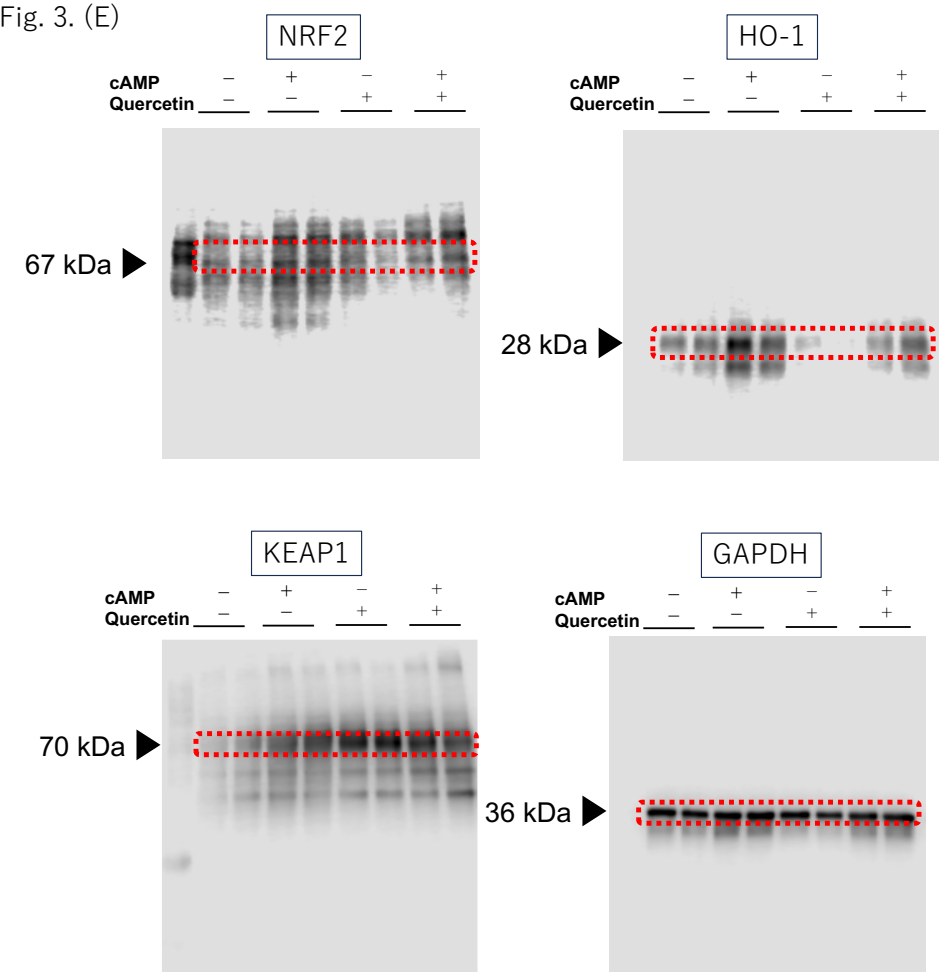


Figure S1. Full images of western blots shown in Figure 4.

